

IPW



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: WANG, Suning, et al.
Serial Number: 10/825,685
Filed: April 16, 2004
Title: Organic Luminescent Compounds and Methods of Making and Using Same
Group Art Unit: 1774
Confirmation No.: 8860
Agent Ref. No. 2002-033-03US

October 20, 2004

Assistant Commissioner for Patents
Washington, D.C.
20231

Dear Sir,

Information Disclosure Statement

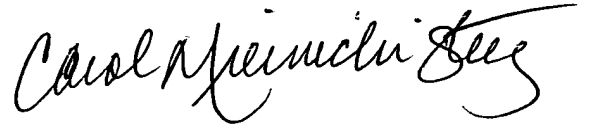
Applicants are aware of the publications listed on the attached Form PTO-1449 and, in accordance with 37 C.F.R. §1.97, hereby submit these publications for the Examiner's consideration. Copies of all non-U.S. patent references are attached.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Applicants understand that the Examiner will make an independent evaluation of the cited publications.

No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. If, however, a first Office Action on the merits issues in the application bearing a

mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 C.F.R. §1.17(p) to our Deposit Account No. 17-0110.

Respectfully submitted,

A handwritten signature in black ink, reading "Carol Miernicki Steeg". The signature is fluid and cursive, with the first name "Carol" and last name "Steeg" being more prominent than the middle name "Miernicki".

Carol Miernicki Steeg, Ph.D.
Reg. No. 39,539

PARTEQ Innovations
Queen's University
Kingston, Ontario K7L 3N6
CANADA
(613) 533-2342

Sheet 1 of 3FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
2002-033-03USSERIAL NO.
10/825,685LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Wang, et al.FILING DATE
April 16, 2004GROUP
1774

U.S. PATENT DOCUMENTS

*EXAMINER DATE INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE	FILING
_____ 1	6,312,835	Nov. 6, 2001	Wang et al.				
_____ 2	6,500,569	Dec. 31, 2002	Wang et al.				

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
_____ 1	99-119645.7	Sep. 24, 1999	China			X

OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

- _____ 1 Bian, Z.-Q., et al., "Study on the Electroluminescent Properties of Some Ternary Europium Complexes with Phenanthroline Derivatives as the Neutral Ligands," *Science in China* (Series B) (Chinese version), (2004) 34: 113-120.
- _____ 2 Bian, Z.-Q., et al., "Syntheses, Spectroscopic and Crystal Structural Studies of Novel Imidazo[4,5-f]1,10-phenanthroline derivatives and their Eu(III) Ternary Complexes with Dibenzoylmethane," *Polyhedron* (2002) 21:313-319.
- _____ 3 Bian, Z.-Q., et al., "A Novel Ternary Complex of Europium (III) for Electroluminescent Device," *Chemical Research in Chinese Universities*, (2002) 18(4): 466-468.
- _____ 4 Guan, M. et al., "Bright Red Light-Emitting Electroluminescence Devices Based on a Functionalized Europium Complex," *New J. Chem.* (2003) 27: 1731-1734.
- _____ 5 Jia, W.-L., et al., "Blue Luminescent Three-Coordinate Organoboron Compounds with 2,2'-Dipyridylamino Functional Group," *J. Org. Chem.* (2003) 68: 701-705.

Examiner

Date Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
2002-033-03USSERIAL NO.
10/825,685

LIST OF PUBLICATIONS CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Wang, *et al.*

FILING DATE

April 16, 2004

GROUP

1774

-
- _____ 6 Kido, J. *et al.*, "Organo Lanthanide Metal Complexes for Electroluminescent Materials," *Chem. Rev.*, (2002) 102: 2357-2368.
- _____ 7 Koene, B., *et al.*, "Asymmetric Triaryldiamines as Thermally Stable Hole Transporting Layers for Organic Light-Emitting Devices," *Chem. Mater.* (1998) 10(8): 2235-2250.
- _____ 8 Liang, F., *et al.*, "Oxadiazole-Functionalized Europium(III) β -Diketonate Complex for Efficient Red Electroluminescence," *Chem. Mater.* (2003) 15(10): 1935-1937.
- _____ 9 Liu, S.-F., *et al.*, "Syntheses, Structures, and Electroluminescence of New Blue/Green Luminescent Chelate Compounds: $\text{Zn}(2\text{-py-in})_2(\text{THF})$, $\text{BPh}_2(2\text{-py-in})$, $\text{Be}(2\text{-py-in})_2$, and $\text{BPh}_2(2\text{-py-aza})$ [2-py-in = 2-(2-pyridyl)indole; 2-py-aza = 2-(2-pyridyl)-7-azaindole]," *J. Am. Chem. Soc.* (2000) 122: 3671-3678.
- _____ 10 Pang, J. *et al.*, "Syntheses, Structures, and Electroluminescence of New Blue Luminescent Star-Shaped Compounds Based on 1,3,5-Triazine and 1,3,5-Trisubstituted Benzene," *J. Mater. Chem.*, (2002) 12: 206-212.
- _____ 11 Shirota, Y. "Organic Materials for Electronic and Optoelectronic Devices," *J. Mater. Chem.*, (2000) 10: 1-25.
- _____ 12 Sun, M., *et al.*, "Bright and Monochromatic Red Light-Emitting Electroluminescence Devices Based on a New Multifunctional Europium Ternary Complex," *Chem. Commun.* (2003) 702-703.
- _____ 13 Wu, Q., *et al.*, "Novel Blue Luminescent/Electroluminescent 7-Azaindole Derivatives: 1,3-Di(*N*-7-azaindoly)benzene, 1-Bromo-3,5-Di(*N*-7-azaindoly)benzene, 1,3,5-Tri(*N*-7-azaindoly)benzene, and 4,4'-Di(*N*-7-azaindoly)biphenyl," *Chem. Mater.* (2001) 13(1): 71-77.

Examiner

Date Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
2002-033-03USSERIAL NO.
10/825,685LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Wang, *et al.*FILING DATE
April 16, 2004GROUP
1774

-
- _____ 14 Xin, H., *et al.*, "Photoluminescence and Electroluminescence Properties of Three Ternary Lutetium Complexes," *New J. Chem.* (2003) 27: 1485-1489.
- _____ 15 Yamazaki, S. "Chromium(VI) Oxide-Catalyzed Oxidation of Arenes with Periodic Acid," *Tetrahedron Letters* (2001) 42: 3355-3357.
- _____ 16 Yang, W.-Y., *et al.*, "Syntheses, Structures, and Luminescence of Novel Lanthanide Complexes of Tripyridylamine, *N,N,N',N'*-Tetra(2-pyridyl)-1,4-phenylenediamine and *N,N,N',N'*-Tetra(2-pyridyl)-biphenyl-4,4'-diamine," *Inorg. Chem.* (2001) 40: 507-515.

Examiner

Date Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985